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Comstock Mill Historical Survey Site Packet

Mill # 196 Mill Name: Empire State Mill

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Appendices

Appendix A – 196 Empire State Mill Info Report

Appendix B – 196 Empire State Mill IMACS

1.0 HISTORICAL DOCUMENTATION OF MILL

1.1 HISTORICAL SUMMARY OF EMPIRE STATE MILL

The Empire State Mill, located at the foot of Sugarloaf Peak, is visible on Bancroft's 1862 map (Figure 1). In 1862, R. M. Billett & Co owned the water- and steam-powered mill. The mill had a 20 horsepower engine, ten stamps that processed 12 tons each day, Knox's amalgamators, Howland's patent flues, and eight employees. Water was brought in by a wheel 40 feet in diameter to work both its own ore and ore for customers (Kelly 1862:113). In 1863, the mill had ten stamps that worked 12 tons per day (Science Applications International Agency, Technology Services Company [SAIA TSC] 1994:35). In 1864, the mill still had ten stamps and a 12 ton capacity but was owned by Charles Coover and L. Dunn (SAIA TSC 1994:35). It also had a 15-horsepower engine that ran on water and steam, a 40 foot water wheel, Knox pans with false bottoms, Wakelee's patent flue pans, and ten men. By 1866, the steam-powered mill consumed five cords of wood each day. It had 15 stamps, a 15 ton capacity, 20 Knox, two Wheeler, and two Hepburn pans (Ansari 1989:29; Browne 1867:352-353, 356-357). It was three miles from the mine, processed 700 tons a month, and was valued at \$8,800 compared to its original cost of \$35,000. William Sharon, the financial engineer for the Banks of California who controlled several mills on the Comstock, served as the owner's agent (Browne 1867:352-353, 356-357; *Reno Evening Gazette* 1943:6). The mill reportedly used the Washoe process (*Reno Evening Gazette* 1943:6).

In 1870, the mill worked ore from the Savage Mine (*Territorial Enterprise* 1870:3). From 1871 to 1872, the mill was listed as idle, with 15 stamps and a 40 ton capacity (Nevada State Mineralogist 1873:138). The mill was advertised for sale in July 1872 (*Territorial Enterprise* 1872:2). The Empire State Mill resumed work on ore from the Chollar-Potosi mine in 1873 (*Territorial Enterprise* 1873:3). In 1874, the mill began processing ore from the Ophir mine (*Nevada State Journal* 1874a:4; 1874b:3). In March 1875, an addition was made to the mill (*Territorial Enterprise* 1875:3). In 1876, the steam-powered mill had 15 stamps and a 40 ton capacity (Powell 1876:68).

Operation at the mill continued into the 1880s (Ansari 1989:29). In 1885, a fire destroyed the mill's boardinghouse and several smaller buildings (*Reno Evening Gazette* 1925:4). In 1886, the mill worked ore from the Consolidated Virginia (*Reno Evening Gazette* 1936:6). In 1889, the mill contained between 15 and 25 stamps (De Quille 1889). Thomas Carney purchased the Empire State in 1901 and repaired the mill to prepare it for working 400 tons of ore from the Chollar Company (*Nevada State Journal* 1901:3).

Rubble walls remained at this site as of 1989 (Ansari 1989:29).

2.4 Empire State Mill

The Empire State Mill and Millsite were located about a half mile west of Sugar Loaf Peak, in the northeast quarter of the southwest quarter (NE $\frac{1}{4}$ SW $\frac{1}{4}$) of Section 27, T17N, R21E (B-3;A002001) (B-5;A010544) (B-7;A012128) (B-8;A002007) (B-9;A002003) (B-10;A019002) (Map 3.0, Map 3.1) (Photograph No. 2). This location corresponds to current tax assessor parcel number 04-311-02.

In 1862, Kelley's First Directory described the Empire State Mill as being situated at the foot of Sugar Loaf Peak, running 10 stamps and crushing 12 tons per day. R. M. Billet & Company was identified as the proprietor (A-1;A011021).

The title history prior to 1862 was not searched. The title history begins on May 10, 1862, when R. W. Billet conveyed a 1/4 interest in the Empire State Mill and land to Louis Hagen (F-1). A few days later, on May 16, 1862, Billett [sic] and Hagen conveyed a 1/3 interest in the Empire State Mill to C. S. Coover (F-2). Charles S. Coover and L. Dunn filed a location of a mining claim consisting of 1216.16 acres on November 18, 1862 (F-3). The plat of the location does not show a mill (F-3).

In 1863, Kelley's Second Directory described the Empire State Mill as being situated at the foot of Sugar Loaf Peak, having four stamps and crushing 12 tons of ore per day. Lathrop Dunn was reported to be the superintendent (A-2;A008120).

C. S. Coover and L. Dunn mortgaged the Empire State Mill on November 7, 1863, to John Arnold and William Blauvelt (copy not ordered). Coover alone mortgaged the mill and 75-acre millsite to John W. Gashwiler on March 12, 1864 (copy not ordered).

Collins' 1864 Directory describes the Empire State Mill as being located near Sugar Loaf Peak, running 10 stamps and crushing 12 tons of ore per day. The owners were reported to be Charles Coover and L. Dunn (A-3;A008005).

Charles S. Coover and Lathrop Dunn conveyed the Empire State Mill and 75-acre millsite to John Arnold and William H. Blauvelt on August 30, 1864 (F-4). Arnold and Blauvelt mortgaged the mill and millsite to E.J. Cawley on July 14, 1865 (copy not ordered). About one year later, on July 6, 1866, Arnold and Blauvelt conveyed the mill and millsite to "William Sharon, agent" (F-5). The deed does not identify Sharon's principal in the transaction (F-5).

The 1866 State Mineralogist Report described the Empire State Mill as having 15 stamps and a crushing capacity of 15 tons per day (A-4;A008519).

The 1865 mortgage on the property evidently was not paid. On May 23, 1867, the Storey County Sheriff sold and conveyed the Empire State Mill and 75-acre millsite to J.D. Fry, pursuant to a judgment in a foreclosure action brought by E. J. Cawley against Arnold, Blauvelt and Sharon (F-6). Sharon nevertheless conveyed a 1/2 interest in the mill and millsite to the Union Mill and Mining Company on May 7, 1868 (F-7). A few months later, on October 12, 1868, Fry also conveyed the mill and millsite to the Union Mill and Mining Company (F-8).

On July 1, 1869, the Union Mill and Mining Company (and William Sharon, individually) conveyed the Empire State Mill and 75-acre millsite to three individuals: John B. Winters, William H. Blauvelt, and H.H. Flagg (F-9). Winters conveyed his 1/3 interest back to the Union Mill and Mining Company on November 12, 1870 (F-10). Blauvelt conveyed his 1/3 interest on March 15, 1872, to five individuals: W. N. Hall, S. W. Chubbuck, R. J. Bulter, H. Huguet, and Wilson Dunlap (F-11). Those five individuals conveyed a 2/3 interest in the mill and millsite to the Union Mill and Mining Company on August 10, 1872 (F-12).

On June 4, 1874, Isaac L. Requa, C. C. Batterman, and J. C. Hampton, as the assignees in bankruptcy of Ira S. Parke and David Bowie, conveyed land including a portion of the Empire State Millsite to A. M. Edgington (F-13). On May 13, 1875, A. M. Edgington conveyed the same property to the Virginia and Truckee Railroad Company (F-14). According to the deeds, the Railroad Mill was located on this land (F-13) (F-14). The deeds do not mention the Empire State Mill. The title search did not uncover a source of title for Parke and Bowie to this land. Moreover, the Empire State Mill was assessed to the Union Mill and Mining Company in 1875.

On December 5, 1876, the United States issued a patent to the Central Pacific Railroad Company of California for land including the Empire State Millsite (F-15). However, in 1880, the Union Mill and Mining Company was assessed for a 2/3 interest in the Empire State Mill and land. On December 30, 1880, the Union Mill and Mining Company conveyed the mill and millsite to Thomas Hulley (F-16). Hulley was assessed for the mill and millsite in 1885, and for the mill in 1886 and 1889. The Union Mill and Mining Company was assessed for a 2/3 interest in the land comprising the millsite in 1889.

On April 28, 1897, the Virginia and Truckee Rail Road Company conveyed land including the Empire State Millsite to the Union Mill and Mining Company (F-17). Thomas Hulley conveyed the mill and millsite back to the Union Mill and Mining Company on February 14, 1899 (F-18).

On February 20, 1899, the Union Mill and Mining Company conveyed land, including the Empire State Millsite and tailings, to Charles Butters (F-19). All buildings and other structures were expressly excluded from the conveyance. Instead, the Union Mill and Mining Company reserved the right to remove the structures "at any time hereafter," and agreed to remove them upon request of Butters. The Union Mill and Mining Company also agreed to defend title to the land against any claim by Central Pacific Rail Road Company, which had received a patent on the land in 1876 (F-19). A few months later, on May 12, 1899, the Virginia and Truckee Rail Road Company conveyed land including a portion of the millsite to Charles Butters (F-20).

The Union Mill and Mining Company remained on the tax roll for the Empire State Millsite in 1900. On October 10, 1901, the Union Mill and Mining Company conveyed the mill and millsite to Thomas J. Carney (F-21). This deed is the most recent title document expressly referring to the Empire State Mill. Thomas J. Carney was assessed for the millsite in 1902.

On June 9, 1919, Charles Butters and Jessie Butters conveyed land including the millsite to R. R. Hillman (F-22). On March 15, 1934, the Storey County Treasurer

conveyed land including a portion of the millsite (N $\frac{1}{4}$ SW $\frac{1}{4}$ of section 27) to George Fuerman (F-23). About a week later, on March 21, 1934, George Fuerman conveyed the property to Jay A. Carpenter (F-24).

Jay A. Carpenter conveyed the property (N $\frac{1}{4}$ SW $\frac{1}{4}$ of section 27) to S. A. White, M. F. Jackman, and W. P. Wyman on November 7, 1938 (F-25). On October 13, 1941, one of the owners, W. P. Wyman, conveyed his 1/3 interest in this property and adjacent land to another owner, M. F. Jackman, along with his interest in tailings, a cyanide plant, a gold tank, a filter and other equipment located on the land (F-26).

On May 18, 1950, M. F. Jackman and S. A. White conveyed to [FX-6 Personal] land including a portion of the Empire State Millsite, along with the lessor's interest in a grazing lease on the property with Jean Uhart (F-27). The lease ran for three years, from May 1, 1948, to May 1, 1951 (F-27). This lease was not searched.

[FX-6 Personal] held this property until his death nearly 25 years later (F-28). On May 3, 1976, pursuant to a decree of final distribution from his estate, the property was distributed to three persons in different proportions: [FX-6] (1/2 interest), [FX-6 Personal Privacy] (1/4 interest), and [FX-6 Personal] (1/4 interest) (F-28). On December 30, 1991, [FX-6 Personal Privacy] conveyed her 1/4 interest to [FX-6 Personal] (F-29).

CURRENT ASSESSED OWNER

Parcel No.

Owner

04-311-02

[FX-6 Personal Privacy]

The title abstract and title tree for the Empire State Millsite follow. The title documents are contained in Attachment V.

EMPIRE RE MILLSITE

| DATE | INST | GRANTOR | GRANTEE | PROPERTY & COMMENTS | DATE RECORDED | COUNTY BOOK | COUNTY PAGE | DOCUMENT NUMBER |
|------------|----------------|--|--|---|---------------|-----------------|-------------|-----------------|
| 05-10-1862 | Deed | R.W. Billet | Louis Hagen | 1/4 interest in Empire State Mill and land | 05-02-1864 | Storey Deeds W | 722-723 | (F-1) |
| 05-16-1862 | Deed | R. W. Billett Louis Hagen | C.S. Coover | 1/3 interest in Empire State Mill | 05-16-1862 | Storey Deeds B | 377-378 | (F-2) |
| 11-18-1862 | Location | | Charles S. Coover L. Dunn | 1216.16 acres, (plat does not show mill) | 03-10-1863 | Storey Loc A | 163-164 | (F-3) |
| 11-07-1863 | Mortgage | C.S. Coover L. Dunn | John Arnold Wm. Blauvelt | Empire State Mill and land (release in margin) | 11-02-1863 | Storey Mtg C | 464-465 | Not ordered |
| 03-12-1864 | Mortgage | Charles S. Coover | John W. Gashwiler | Empire State Mill | 03-17-1864 | Storey Mtg D | 051-053 | Not ordered |
| 08-30-1864 | Deed | Charles S. Coover Lathrop Dunn | John Arnold William H. Blauvelt | Empire State Mill and 75 acre millsite | 08-31-1864 | Storey Deeds X | 508-509 | (F-4) |
| 07-14-1865 | Mortgage | John Arnold W.H. Blauvelt | E.J. Cawley | Empire State Mill and 75 acre millsite | 08-31-1865 | Storey Mtg E | 142-145 | Not ordered |
| 07-06-1866 | Deed | John Arnold W.H. Blauvelt | William Sharon, "agent" | Empire State Mill and 75 acre millsite | 07-09-1866 | Storey Deeds 26 | 472-473 | (F-5) |
| 05-23-1867 | Sheriff's Deed | Storey County Sheriff | J.D. Fry | Empire State Mill and 75 acre millsite, pursuant to foreclosure of mortgage dated July 14, 1865 | 05-23-1867 | Storey Deeds 27 | 350-351 | (F-6) |
| 05-07-1868 | Deed | William Sharon | Union Mill and Mining Company (CA corp.) | 1/2 interest in Empire State Mill and 75 acre millsite | 05-19-1868 | Storey Deeds 27 | 757-761 | (F-7) |
| | | | | | 05-27-1868 | Lyon Deeds F | 371-375 | |
| 10-12-1868 | Deed | J.D. Fry | Union Mill and Mining Company | Empire State Mill and 75 acres | 03-19-1869 | Lyon Deeds F | 518-519 | (F-8) |
| | | | | | 03-22-1869 | Storey Deeds 29 | 333-334 | |
| 07-01-1869 | Deed | Union Mill and Mining Company, by William E. Barron, President, and William Sharon, individually | John B. Winters William H. Blauvelt H.H. Flagg | Empire State Mill and 75 acre millsite | 07-14-1869 | Storey Deeds 29 | 535-536 | (F-9) |

EMPIRE STATE MILLSITE (continued)

| DATE | INST | GRANTOR | GRANTEE | PROPERTY & COMMENTS | DATE RECORDED | COUNTY BOOK | COUNTY PAGE | DOCUMENT NUMBER |
|------------|----------|--|---|--|-------------------------------|-----------------|-------------|-----------------|
| 11-12-1870 | Deed | John B. Winters | Union Mill and Mining Company | 1/3 interest in Empire State Mill and 75 acre millsite | 11-12-1870 | Storey Deeds 30 | 386-387 | (F-10) |
| 03-15-1872 | Deed | Wm. H. Blauvelt | W.N. Hall S.W. Chubbuck R.J. Bulter H. Huguet Wilson Dunlap | 1/3 interest in Empire State Mill and 75 acre millsite | 03-19-1872 | Storey Deeds 31 | 462-463 | (F-11) |
| 08-10-1872 | Deed | W.N. Hall S.W. Chubbuck R.J. Bulter H. Huguet Wilson Dunlap | Union Mill and Mining Company | 2/3 interest in Empire State Mill and 75 acre millsite | 08-17-1872 | Storey Deeds 33 | 077-078 | (F-12) |
| 06-04-1874 | Deed | Isaac L. Requa C.C. Batterman J.C. Hampton, as assignees in bankruptcy of Ira S. Parke and David Bowie | A.M. Edgington | E½ SW¼ of Section 27 and NW¼ SW¼ of Section 27, including Railroad Mill on NW¼ SW¼ of Section 27, and other property | 06-09-1874 | Storey Deeds 35 | 417-420 | (F-13) |
| 05-13-1875 | Deed | A.M. Edgington | Virginia and Truckee Railroad Company (NV corp.) | E½ SW¼ of Section 27 and NW¼ SW¼ of Section 27, including Railroad Mill on NW¼ SW¼ of Section 27, and other property | 05-13-1875 | Storey Deeds 37 | 453-456 | (F-14) |
| - 1875 - | Tax Roll | | Union Mill and Mining Company | Empire State Mill | | | | |
| 12-05-1876 | Patent | United States of America | Central Pacific Rail Road Company | Patent No. 24, including SW¼ of Section 27 | Not recorded in Storey County | | | (F-15) |
| - 1880 - | Tax Roll | | Union Mill and Mining | 2/3 interest in Empire State Mill; 2/3 land | | | | |
| 12-30-1880 | Deed | The Union Mill and Mining Company, by William Sharon, President, and James H. Dobinson, Secretary | Thomas Hulley | Empire State Mill and 75 acre millsite | 04-04-1881 | Storey Deeds 45 | 612-613 | (F-16) |

EMPIRE STATE MILLSITE (continued)

| DATE | INST | GRANTOR | GRANTEE | PROPERTY & COMMENTS | DATE RECORDED | COUNTY BOOK | COUNTY PAGE | DOCUMENT NUMBER |
|------------|----------|---|--|---|---------------|-----------------|-------------|-----------------|
| - 1885 - | Tax Roll | | Thos. Hulley | Empire State Mill and millsite | | | | |
| - 1886 - | Tax Roll | | Hulley | Empire State Mill | | | | |
| - 1889 - | Tax Roll | | Thos. Hulley | Empire State Mill | | | | |
| - 1889 - | Tax Roll | | Union Mill and Mining | 2/3 interest in land in Section 27 including SW $\frac{1}{4}$ | | | | |
| 04-28-1897 | Deed | Virginia And Truckee Rail Road Company (NV corp.), by H.M. Yerington, Vice President, and E.B. Yerington, Secretary | Union Mill and Mining Company (CA corp.) | Property including SW $\frac{1}{4}$ of Section 27 | 04-29-1897 | Storey Deeds 52 | 490-491 | (F-17) |
| 02-14-1899 | Deed | Thomas Hulley | Union Mill and Mining Company | Empire State Mill and 75 acre millsite | 02-24-1899 | Storey Deeds 53 | 489-491 | (F-18) |
| 02-20-1899 | Deed | Union Mill and Mining Company, by James M. Allen, President, and James Newlands Jr., Secretary | Charles Butters | Property including SW $\frac{1}{4}$ of Section 27, and tailings, except structures. Union Mill and Mining Co. reserves right to remove structures "at any time hereafter," and agrees to remove structures upon request of Charles Butters. Union also agrees to defend title against any claim by Central Pacific Rail Road Company. | 02-24-1899 | Storey Deeds 53 | 491-495 | (F-19) |
| 05-12-1899 | Deed | Virginia and Truckee Railroad Company, by H.M. Yerington, Vice President, and E.B. Yerington, Secretary | Charles Butters | E $\frac{1}{2}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 27, and NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 27 | 07-10-1899 | Storey Deeds 53 | 490-491 | (F-20) |
| - 1900 - | Tax Roll | | Union Mill and Mining company | Empire State Millsite | | | | |

EMPIRE STATE MILLSITE (continued)

| DATE | INST | GRANTOR | GRANTEE | PROPERTY & COMMENTS | DATE RECORDED | COUNTY BOOK | COUNTY PAGE | DOCUMENT NUMBER |
|------------|------------------------------|--|--|--|---------------|------------------|-------------|-----------------|
| 10-10-1901 | Deed | Union Mill and Mining Company, by James M. Allen, President, and James Newlands Jr., Secretary | Thomas J. Carney | Empire State Mill and 75 acre millsite | 03-17-1902 | Storey Deeds 54 | 547-548 | (F-21) |
| - 1902 - | Tax Roll | | Thomas Carney | Empire State Millsite | | | | |
| 06-09-1919 | Deed | Charles Butters Jessie Butters | R.R. Hillman | Property including SW $\frac{1}{4}$ of Section 27 | 01-12-1920 | Storey Deeds 58 | 336-341 | (F-22) |
| 03-15-1934 | Tax Deed | Storey County Treasurer | George Fuerman | N $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 27, NW $\frac{1}{4}$ SW $\frac{1}{4}$ of Section 27 (sic), and old improvements on millsite | 03-19-1934 | Storey Deeds 61 | 187-188 | (F-23) |
| 03-21-1934 | Deed | George Fuerman | Jay A. Carpenter | N $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 27 | 11-10-1934 | Storey Deeds 61 | 237-238 | (F-24) |
| 11-07-1938 | Deed | Jay A. Carpenter | S.A. White M.F. Jackman W.P. Wyman | N $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 27 | 01-20-1940 | Storey Deeds 62 | 010 | (F-25) |
| 10-13-1941 | Deed | W.P. Wyman | M.F. Jackman | 1/3 interest in NW $\frac{1}{4}$ SE $\frac{1}{4}$ of Section 27, N $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 27, Pond Nos. 1 and 2 on SW $\frac{1}{4}$ Section 27, including tailings, cyanide plant, gold tank, filter, and other equipment | 09-24-1948 | Storey Deeds 63 | 020-022 | (F-26) |
| 05-18-1950 | Deed | M.F. Jackman S.A. White | FX-6 Personal Privacy | N $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 27, and Lessor's responsibility in grazing lease to Jean Uhart, running May 1, 1948 to May 1, 1951 | 03-15-1952 | Storey Deeds 63 | 244-245 | (F-27) |
| 05-03-1976 | Decree of Final Distribution | FX-6 Personal Privacy | FX-6 Personal Privacy | N $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 27 | 05-07-1976 | Storey Off Rec 4 | 187-193 | (F-28) |

EMPIRE STATE 1 SITE (continued)

| DATE | INST | GRANTOR | GRANTEE | PROPERTY & COMMENTS | DATE RECORDED | COUNTY BOOK | COUNTY PAGE | DOCUMENT NUMBER |
|------------|----------|-----------------------|-----------------------|---|------------------|-------------------------|----------------|--------------------|
| 12-30-1991 | Deed | FX-6 Personal Privacy | FX-6 Personal Privacy | 1/4 interest in N $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 27 | 01-14-1992 | Storey Off Rec 89 | 001-002 | (F-29) |
| - 1993 - | Tax Roll | | FX-6 Personal Privacy | Parcel No. 04-311-02 | | | | |

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ODLER

New York.
Black Crook.—The Crook still keeps on the even tenor of its way with a large troupe of melleon actors and actresses, introducing new features almost nightly. The place is devoted to fun and all in free and easy throughout. A fine bill will be presented this evening.
New Boilers.—The Yellow Jacket Company have just received and will at once set up two new boilers, each 16 feet in length by 54 inches in diameter. Each boiler contains 50 three-inch tubes. The boilers were manufactured at the Pioneer Boiler Works.
The omnibus line plying between this city and Gold Hill is being well patronized this summer. Our people all seem to have made up their minds that it is much cheaper to pay two bits for a ride than to walk during hot weather.
Nor 30.—There was a report on the streets last evening that a miner in the Chollar-Potosi had been caved on and fatally injured. Upon tracing the matter up we found that a workman in the mine had sprained himself. No lives—no smashing of bones!
Overhauling.—The Kentuck Company are engaged in overhauling their hoisting works. They are putting in new reels, repairing their shaft, and putting everything in order for a long siege of heavy work.
Low Fare.—The old line of Dayton stages having that town in the morning charges but four bits to this city and intermediate points. Nobody can complain of this as extortionate.
Our Markets are well supplied with apples, peaches, plums, pears, grapes and every other kind of fruit now in season—watermelons and muskmelons are also plenty.
For Sunday Accommodation.—After this date the stage office of Wells, Fargo & Co. will be open on Sundays from 2 to 4 o'clock P. M. for the accommodation of those wishing to secure seats in the stages to California.
The Corro Gordo mines are still well spoken of. Parties who left this city a few weeks since to look after interests in various leads in that section express themselves as being perfectly satisfied with their mines.
FAMOUS teams, loaded with merchandize for our business houses, continue to throng our streets. Our merchants appear to be determined to take time by the forelock this season.
TELEGRAPHIC.—There are messages at the Telegraph office for the following persons: Michael Kelly and C. Morales or Lottio Morales.
New Appointment.—Mr. A. Baker has been appointed route agent for the western division of the Overland Stage Company's line.
Large quantities of wood are now coming into the city from Washoe. Ten cords to one team is a load by no means unusual.
At our mills are now at work day and night and we hear no complaint of a scarcity of wood.
Good Report.—There is said to be very good shooting just now about Pearline—the game being grouse and sage hens.

Hair Dressing & Shaving
SALOON.
No. 33 South C Street Near Taylor.
Opposite Oiling, Mail & Co.
CUPPING, LEECHING, BLEEDING AND
Tooth Extracting performed skillfully and
thoroughly.
Fresh Hungarian and Swedish Leeches
For sale by
W. MAYER.
Virginia, Nev., April 23, 1887.
Notice to Invalids.
ALL PERSONS WHO HAVE NO HOME NOR
a place where they can receive the attention
necessary to their comfort, when ill, can find at
the County Hospital comfortable private rooms,
where they will be attended upon by kind and
experienced nurses, and be supplied with every
thing necessary to their comfort.
THE ROOMS are entirely separated from the
wards occupied by the indigent sick.
The Hospital is under the care of Dr. BRON-
SON, who can be found at his office, corner of C
and Taylor streets, over Fowler's store, every
day between the hours of 12 M. and 2 P. M. Ar-
rangements can also be made with Mr. Cronch,
Superintendent of the Hospital, who can always
be found at the Hospital Buildings.
Charges moderate.
A Complete Iron Front
FOR SALE CHEAP.
COMPRISING 2 COLUMNS, 3 DOORS, A
Eye and 21 Iron Bars—a complete Iron Front
for a fireproof building. Inquire at
DALE & CO.'S.
331 1/2 Nearly opposite Wells, Fargo & Co.
J. K. UH,
Professor of Music,
LEAVE ORDERS AT
U. FRANZ'S OF DALE & CO.'S.
TO MINING COMPANIES!
WE ARE NOW PREPARED TO PRINT IN THE
very best manner,
STOCK CERTIFICATES,
OF EVERY DESCRIPTION,
ASSESSMENT RECEIPTS
OF A NEW STYLE
To which we invite the attention of the public.
J. T. GOODMAN,
Enterprise Job Office.
NOTICE IN BANKRUPTCY.—THIS
is to give notice that, on the fourth day of Au-
gust, 1887, a warrant in bankruptcy was issued
against the estate of JAMES H. FARMER, of Washoe
City, in said district, who has been adjudged a bankrupt
on his own petition; that the payment of any debts and
delivery of any property belonging to such bankrupt to
him, or for his use, and the transfer of any property by
him, are forbidden by law; that a meeting of the cred-
itors of the said bankrupt, to prove their debts and to
choose one or more assignees of his estate, will be held
at a Court of Bankruptcy, to be holden at the office of
Mr. J. REELY, a Register in Bankruptcy of said Court,
No. 35 South C Street, in Virginia City, Storey County,
Nevada, before said Register, on the fourth day of
September, A. D. 1887, at 12 o'clock M.
U. R. Marshall and Messenger in Bankruptcy.
H. N. Condit, attorney for petitioner.
By J. C. Jaxon, Deputy.

fully done. He solicits a share of the public pa-
tronage, and cordially invites his old custom or
and friends to call and see him. au18 1m
FULTON MARKET,
11 STREET, OPPOSITE UNION.
DAVIS & LANNAN, Proprietors.
CONSTANTLY ON HAND—
FRESH BEEF,
PORK,
MUTTON, VEAL
CORNED BEEF, CORNED PORK, SAUSAGES.
RENDERED TALLOW, prepared expressly
for mill purposes, by barrel or can.
(five or a call.
au19 1/2
DAVIS & LANNAN.
HAPPINESS OR MISERY?
THAT IS THE QUESTION.
THE PROPRIETORS OF THE "PACIFIC MU-
seum of Anatomy and Science" have deter-
mined, regardless of expense, to give FREE (for
the benefit of suffering humanity) four of their
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Man's mind, and its disqualifications: Nervous
Debility, Premature Decline of Manhood, Indi-
gestion, Weakness, Depression, Loss of Energy
and Vital Power—the Great Social Evil, and those
maladies that result from youthful follies, ex-
cesses of intemperance, or ignorance of Physiology
and Nature's Laws.
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be forwarded FREE on receipt of Twenty-five
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tary Pacific Museum of Anatomy and Science,
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April 16, 1887.
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No. 49 SOUTH
Diseases of the
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Tabular list of mills crushing ore from mines

on the Comstock lode during the year 1866.

| Names. | Owners. | Location. | When built. | Estimated cost. | Assessed value. | Horse power. | STAMPS. | | | | WHEELS. | | WATER. | | WOOD. | |
|-----------------------------|----------------------------|-----------------------------|-------------|-----------------|-----------------|--------------|---------|----------------------|-----------------|-------------------|----------------------|------------------|-------------|-----------------|----------------|----------------|
| | | | | | | | Number. | Weight, pounds. | Drop in inches. | Drops per minute. | Kind. | Diameter, feet. | Fall, feet. | Amount, inches. | Cords per day. | Cost per cord. |
| STOREY COUNTY. | | | | | | | | | | | | | | | | |
| Atlas. | Haggin & Tevis. | Lower Gold Hill. | 1861 | \$35,000 | \$21,000 | 36 | 15 | 600 | | | | | | | 4 | \$13 |
| Atwood's. | George Atwood. | Flowery (Six Mile-Creek) | | 35,000 | 22,000 | | 16 | | | | | | | | 4 | |
| Bay State. | Bay State Mill Co. | American Flat | | 40,000 | 24,000 | | 23 | | | | | | | | 6 | |
| Bowers. | L. S. Bowers. | Crown Point Ravine, (G. H.) | | 160,000 | 12,000 | | 20 | { 10-600 10-700 } | 9 | 70 | | | | | 4 | 14 |
| Central. | J. B. Dickenson. | Virginia. | | 75,000 | 23,000 | | 13 | | | | | | | | 8 | |
| Crown Point (1). | Crown Point G. & S. M. Co. | Crown Point Ravine, (G. H.) | 1862 | 40,000 | 20,000 | 35 | 8 | 500 | 9 | 70 | | | | | 5 | 14 |
| Cornet (1). | New York & Nevada M. Co. | Gold Hill. | | 40,000 | 23,000 | | 16 | | | | | | | | 4 | 14 |
| Douglas (1). | C. S. Wheeler. | Lower Gold Hill. | 1862 | 40,000 | 19,000 | | 10 | 650 | 8 | 78 | | | | | 4 | 14 |
| Eclipse. | Eclipse M. & M. Co. | Gold Hill. | | 50,000 | 35,000 | | 15 | | | | | | | | 5 | |
| Empire State. | Wm. Sharon, agent. | Seven Mile Cañon. | | 35,000 | 8,000 | | 13 | | | | | | | | 5 | |
| Empire No. 1 (1). | W. S. Hobart. | Virginia. | 1860 | 75,000 | 19,000 | 60 | 16 | 650 | 9 | 80 | | | | | 3 | 15 |
| Empire No. 2 (1). | Empire M. & M. Co. | Lower Gold Hill. | 1860 | 60,000 | 26,000 | 60 | 16 | 650 | 9 | 80 | | | | | 8 | 14 |
| Gold Hill. | Gold Hill Q. M. & M. Co. | Gold Hill. | 1860 | 30,000 | 20,000 | 45 | 14 | { 6-750 8-600 } | 7 | 84 | | | | | 3 | 14 |
| Gould & Curry. | Gould & Curry M. Co. | Seven Mile Cañon. | | 380,000 | 305,000 | | 80 | | | | | | | | 20 | |
| Hoosier State. | Clark & Hears. | Virginia. | 1862 | 40,000 | 14,700 | 20 | 8 | 750 | 9 | 70 | | | | | 3 | 14 |
| Imperial. | Imperial S. M. Co. | Lower Gold Hill. | 1860 | 75,000 | 40,000 | 60 | 44 | 600 | 8 | | | | | | 6 | 14 |
| Land's. | Charles Land. | Seven Mile Cañon. | | 60,000 | 25,000 | | 20 | | | | | | | | 5 | |
| Mariposa. | J. V. McCurdy. | do. | | 20,000 | 16,000 | (1) 12 | 4 | | | | | | | | 4 | |
| Marysville (1). | O'Neale, Rule & Glasier. | Lower Gold Hill. | | 50,000 | 22,000 | 9 | | | | | | | | | 5 | |
| Ogden. | O. S. Carville. | Virginia. | | 50,000 | 24,000 | 22 | 6 | | | | | | | | 6 | |
| Pacific. | Sharon & Co. | Lower Gold Hill. | 1863 | 75,000 | 42,000 | 80 | 30 | 650 | 10 | 73 | | | | | 8 | 14 |
| Petaluma (1). | Greely Bros. | do. | | 30,000 | 12,000 | 30 | 10 | 700 | | | | | | | 3 | 14 |
| Pike. | M. Livingston. | do. | 1863 | 80,000 | 47,000 | 60 | 20 | 660 | 10 | 80 | | | | | 5 | 14 |
| Rhode Island. | Crown Point G. & S. M. Co. | Gold Hill. | 1862 | 100,000 | 48,000 | (1) 150 | 25 | 650 | 10 | 80 | | | | | 8 | 14 |
| Rigby's (1). | Rigby & Co. | American Flat. | | 25,000 | 10,000 | | 10 | | | | | | | | 4 | |
| Rogers's (1). | Rogers S. M. Co. | Seven Mile Cañon. | 1862 | 23,000 | 13,000 | | 8 | | | | | | | | 3 | |
| Sapphire. | W. S. Hobart. | Lower Gold Hill. | 1861 | 60,000 | 23,000 | 45 | 16 | 750 | 9 | 80 | | | | | 5 | 13 |
| Simcoe. | A. Bassett & Co. | Seven Mile Cañon. | | 35,000 | 15,000 | | 16 | | | | | | | | 5 | |
| Stevenson's (1). | C. C. Stevenson. | Gold Hill. | 1860 | 15,000 | 5,500 | (2) 8 | 8 | 500 | 6 | 76 | | | | | 6 | 14 |
| Succor (1). | O'Neale, Rule & Co. | Lower Gold Hill. | | 50,000 | 22,000 | | 20 | 625 | | 70 | | | | | 6 | 14 |
| Summit. | Mason, Carville & Wright. | Virginia. | (1) | 50,000 | 20,000 | | 20 | { 10-650 4-500 } | | | | | | | 6 | 14 |
| Union. | Wm. Kidd. | Gold Hill. | 1861 | 25,000 | 14,000 | 40 | 14 | | 10 | 60 | | | | | 2 | 14 |
| Winfield. | L. A. Booth. | Seven Mile Cañon. | | 20,000 | 10,000 | | 18 | | | | | | | | 5 | |
| Total. | 33 | | | 2,000,000 | 853,700 | | 607 | | | | | | | | 180 | |
| LYON COUNTY. | | | | | | | | | | | | | | | | |
| Bacon. | Lowe & Fair. | Silver City. | 1863 | \$25,000 | \$15,000 | 60 | 20 | 720 | 10 | 75 | | | | | 8 | \$1 |
| Birdsall & Carpenter. | Birdsall & Carpenter. | Dayton. | 1865 | (1) 110,000 | 55,000 | | 30 | 613 | 9 | 85 | Overshot. | 50 | | | 1 | 10 |
| Cole & Co. | Cole & Co. | Johnstown. | 1864 | 10,000 | 5,000 | | 20 | 5 | 480 | 9 | 65 | | | | 2 | 10 |
| Confidence. | Confidence M. Co. | Silver City. | 1861 | 35,000 | 17,000 | 35 | (1) 12 | 900 | | | | | | | 3 | |
| Dayton No. 1. | Winters, Rustell & Co. | Dayton. | 1861 | 50,000 | 25,000 | | 20 | 800 | 10 | 75 | 2—central discharge. | 5 | 12 | 1,500 | 1 | 8 |
| Dayton No. 2 (1). | do. | do. | 1864 | 40,000 | 20,000 | | 60 | 800 | 10 | 75 | | | | | 5 | 8 |
| Davey. | Danoy M. & M. Co. | 3 miles from Dayton. | 1863 | 70,000 | 35,000 | 45 | 15 | 550 | | | | | | | 6 | |
| Eagle. | do. | Silver City. | 1864 | | | | 5 | 400 | | | Overshot. | 37 | | 100 | 1 | |
| Eastern Slope. | Stovenson, Winters & Co. | Below Silver City. | 1869 | 60,000 | 30,000 | 00 | 12 | 1,100 | 10 | 50 | | | | | 0 | 11 |
| Eureka. | Whooler, Hurd & Dunker. | Carson River, near Dayton. | 1861 | 100,000 | 50,000 | | 20 | 650 | | | Turbine. | | | 2,500 | 3 | |
| Excelsior. | John Briggs. | Johnstown. | 1861 | 25,000 | 12,500 | 40 | 10 | 650 | | | | | | | 2 | |
| Franklin. | Wm. Sharon, agent. | Carson River, near Dayton. | 1861 | 50,000 | 25,000 | | 10 | 600 | | | Central discharge. | | | 2,500 | 2 | |
| Gold Cañon Reduction Works. | Wm. Sharon, agent. | Silver City. | 1861 | 40,000 | 20,000 | 30 | 15 | 700 | 9 | 75 | | | | | 6 | 12 |
| Golden Eagle. | O'Neale, Rule & Co. | Carson River, near Dayton. | 1861 | | | 40 | 10 | 850 | | | | | | | 3 | |
| Illinois. | Wm. Sharon, agent. | do. | 1864 | 30,000 | 15,000 | 30 | 20 | 400 | | | | | | | 5 | 10 |
| Imperial (Rock Pt). | Imperial M. Co. | do. | 1861 | 250,000 | 125,000 | 50 | 56 | { 16-600 40-550 } | 8 | 80 | 2—Overshot. | { 1-14 1-13 } | 144 | 3,600 | 6 | 10 |
| Island. | O'Neale, Rule & Co. | do. | 1862 | 40,000 | 20,000 | 25 | 10 | 720 | | | Central discharge. | 2 4.5 | | 1,800 | 4 | |
| Monitor. | Hirschman & Co. | Gold Cañon, near Dayton. | 1865 | 6,000 | 3,000 | | 5 | 450 | | | | | | | 1 | |
| Ophir (New). | Ophir S. M. Co. | Carson River. | 1864 | 75,000 | 37,500 | 40 | 24 | 650 | | | Turbine. | 32 | 32 | 1,200 | 1 | 10 |
| Phoenix No. 1 (1). | Rentsch and Barton. | Below Silver City. | 1861 | 40,000 | 20,000 | 45 | 16 | 650 | | | | | | | 6 | |
| Pioneer (1). | Sheldon & Hickok. | Silver City. | 1861 | 40,000 | 20,000 | 45 | 15 | 700 | | | | | | | 6 | |
| Sacramento (1). | Hunt, Woodruff & Co. | Johnstown. | 1861 | 50,000 | 25,000 | 10 | 12 | 750 | | | | | | | 5 | |
| San Francisco. | Charles Schae. | Carson River, near Dayton. | 1861 | 40,000 | 20,000 | 30 | 10 | 650 | | | Central discharge. | 10 | | 1,100 | 3 | |
| Swanton. | W. Sharon, agent. | Johnstown. | 1862 | 60,000 | 30,000 | 40 | 12 | 900 | | | | | | | 5 | |

Tabular list of mills crushing ore from mines on the Colorado lode during the year 1866—Continued.

| Names. | Owners. | Location. | When built. | Tons capacity. | Miles from mine. | Cost of water per month. | Tubs. | PANS. | | | | Settlers. | Agitators. | Breakers. | Grinders. | Crushing capacity per month, tons. |
|----------------------------|----------------------------|-----------------------------|-------------|----------------|------------------|--------------------------|-------|-------|----------|----------|---------|-----------|------------|-----------|-----------|------------------------------------|
| | | | | | | | | Knox. | Wheeler. | Hepburn. | Varney. | | | | | |
| STOREY COUNTY. | | | | | | | | | | | | | | | | |
| Atlas | Haggin & Tevis | Lower Gold Hill | 1861 | 25 | 1 | | | | | 8 | | 4 | | | | 750 |
| Atwood's | George Atwood | Flowery (Six Mile Creek) | | 20 | 4 | \$220 | | | | | | 2 | | | | 600 |
| Bay State | Bay State Mill Co. | American Flat | | 35 | 2 | | | 20 | 14 | | | 7 | | | | 1,400 |
| Bowers | L. S. Bowers | Crown Point Ravine, (G. H.) | | 25 | 1 | 250 | | | | | | | | | | 750 |
| Central | J. B. Dickenson | Virginia | | 12 | 2 | 100 | | (2) | 30 | (2) | 4 | (2) | 4 | 1 | | 670 |
| Crown Point (1) | Crown Point G. & S. M. Co. | Crown Point Ravine, (G. H.) | 1862 | 8 | 0 | (1) 100 | | | | | | | | | | 250 |
| Comet (1) | New York & Nevada M. Co. | Gold Hill | | 20 | 0 | 75 | 6 | 8 | | | | | | 1 | | 600 |
| Douglas (1) | C. S. Wheeler | Lower Gold Hill | 1862 | 16 | 1 | 350 | | | | | | | | | | 415 |
| Eclipse | Eclipse M. & M. Co. | Gold Hill | | 25 | 0 | 75 | | | | | | | | 1 | | 700 |
| Empire State | Wm. Sharon, agent. | Seven Mile Cañon | | 15 | 3 | 300 | | | | 8 | | 4 | | | 2 | 700 |
| Empire No. 1 (1) | W. S. Hobart | Virginia | 1860 | 30 | 1 | | | (1) | 20 | 2 | 2 | | | | | 800 |
| Empire No. 2 (1) | Empire M. & M. Co. | Lower Gold Hill | 1860 | 30 | 1 | 300 | | | | | | | | | | 1,000 |
| Gold Hill | Gold Hill Q. M. & M. Co. | Gold Hill | 1860 | 17 | 1 | 300 | | | | 12 | | 6 | | | | 475 |
| Gould & Curry | Gould & Curry M. Co. | Seven Mile Cañon | | 100 | 2 | 225 | (1) | 5 | 24 | | | 4 | | | | 3,500 |
| Hoosier State | Clark & Hoarst | Virginia | 1862 | 13 | 1 | | | (1) | 24 | | 3 | 21 | | 3 | | 400 |
| Imperial | Imperial S. M. Co. | Lower Gold Hill | 1860 | 30 | 1 | 200 | | | | | | | | 2 | | 1,100 |
| Land's | Charles Land | Seven Mile Cañon | | 30 | 3 | 300 | | | 74 | | | | | (B) | 1 | 1,000 |
| Mariposa | J. V. McCurdy | do | | 15 | 2 | | | | 10 | | | 5 | | | 2 | 600 |
| Marysville (1) | O'Neale, Rule & Glasier | Lower Gold Hill | | 18 | 1 | 150 | | 2 | 6 | | | (2) | 3 | | | 500 |
| Ogden | O. S. Carvill | Virginia | | 20 | 1 | 75 | | | | | | | | 2 | | 1,000 |
| Pacific | Sharon & Co. | Lower Gold Hill | 1863 | 50 | 1 | | | | 12 | | | (1) | 5 | | 2 | 1,305 |
| Petaluma (1) | Greely Bros. | do | | 12 | 1 | 400 | | | 15 | | | | | | | 300 |
| Pinto | M. Livingston | do | 1863 | 40 | 1 | 150 | | 18 | | | | (1) | 4 | 1 | 1 | 1,200 |
| Rhode Island | Crown Point G. & S. M. Co. | Gold Hill | 1862 | 50 | 1 | 300 | | | | 12 | | | | | | 1,350 |
| Rigby's (1) | Rigby & Co. | American Flat | | 12 | 2 | 400 | | (2) | 13 | 8 | | 4 | 2 | 1 | | 400 |
| Rogers' (1) | Rogers S. M. Co. | Seven Mile Cañon | 1862 | 12 | 2 | 150 | | | | | 5 | | | | | 360 |
| Sapphire | W. S. Hobart | Lower Gold Hill | 1861 | 28 | 1 | | | 56 | | | | 2 | 1 | (1) | 1 | 850 |
| Simcoe | A. Bassett & Co. | Seven Mile Cañon | | 25 | 3 | 250 | | | | | | 3 | | | | 700 |
| Stevenson's (1) | C. C. Stevenson | Gold Hill | 1860 | 5 | 1 | 30 | 2 | | (1) 4 | 2 | | | | | | 150 |
| Succor (1) | O'Neale, Rule & Co. | Lower Gold Hill | | 28 | 2 | 150 | | 10 | (3) 1 | | | 1 | | 1 | | 600 |
| Summit | Mason, Carville & Wright | Virginia | (1) | 35 | 1 | 300 | | | | 3 | | 1 | | | | 900 |
| Union | Wm. Kidd | Gold Hill | 1861 | 14 | 1 | 200 | | 11 | | (2) | 1 | 4 | 1 | | | 400 |
| Winfield | L. A. Booth | Seven Mile Cañon | | 30 | 1 | | 14 | | | | | | | 1 | 1 | 1,000 |
| Total | 33 | | | 846 | 49 | 5,380 | 27 | 305 | 91 | 93 | 9 | 101 | 17 | 4 | 8 | 26,820 |
| LYON COUNTY. | | | | | | | | | | | | | | | | |
| Bacon | Lowe & Fair | Silver City | 1863 | 30 | 3 | | | | | | | | | | | |
| Birdsall & Carpenter | Birdsall & Carpenter | Dayton | 1865 | 75 | 7 | | | | 17 | | | (2) | 4 | | | |
| Cole & Co. (1) | Cole & Co. | Johnstown | 1864 | 5 | 5 | 3,000 | | | 20 | | | | 10 | 5 | (B) | 1,900 |
| Confidence | Confidence M. Co. | Silver City | 1861 | 14 | 2 | 3,000 | | | 4 | | | | 2 | | | 125 |
| Dayton No. 1 | Winters, Kistell & Co. | Dayton | 1861 | 20 | 7 | 1,175 | | | | | 8 | | | | | 650 |
| Dayton No. 2 (1) | do | do | 1864 | 30 | 7 | 3,000 | | | 6 | | | (2) | 2 | (3) 2 | | 500 |
| Daney | Daney M. & M. Co. | 3 miles from Dayton | 1863 | 20 | 0 | 3,000 | | | | | 8 | | | 4 | 3 | 800 |
| Engle | do | Silver City | 1864 | 14 | 3 | 3,000 | \$15 | | | | | | | | | 500 |
| Eastern Slope | Stevenson, Winters & Co. | Below Silver City | 1862 | 20 | 3 | 2,000 | | 2 | | | | (1) | 3 | 1 | | 40 |
| Eureka | Wheeler, Hurd & Dunker | Carson River, near Dayton | 1861 | 22 | 0 | 3,000 | | | | 6 | | | | | | 550 |
| Excelsior | John Briggs | Johnstown | 1861 | 18 | 5 | 3,000 | | | 10 | | | | | 2 | (1) | 1,100 |
| Franklin | Wm. Sharon, agent. | Carson River, near Dayton | 1861 | 16 | 3 | 3,000 | | 18 | | | | 1 | | | 1 | 530 |
| Gold Cañon Reduction Works | Wm. Sharon, agent. | Silver City | 1861 | 25 | 3 | 1,500 | 5 | | 2 | | | 2 | | | | 500 |
| Golden Eagle | O'Neale, Rule & Co. | Carson River, near Dayton | 1861 | 18 | 7 | | | (1) | 7 | | | | | | | 1,600 |
| Illinois | Wm. Sharon, agent. | do | 1864 | 18 | 7 | 3,500 | | 24 | | | | 1 | | | | 500 |
| Imperial (Rock Pt.) | Imperial M. Co. | do | 1861 | 90 | 7 | 3,500 | | | | 6 | | 2 | | | | 600 |
| Island | O'Neale, Rule & Co. | do | 1862 | 19 | 7 | 3,000 | (1) | 27 | | 14 | | (1) | 7 | 3 | (B) (2) 1 | 500 |
| Monitor | Hirschman & Co. | Gold Cañon, near Dayton | 1865 | 3 | 7 | 3,000 | | | | | 8 | 3 | | | | 500 |
| Ophir (New) | Ophir S. M. Co. | Carson River | 1864 | 30 | 7 | 3,000 | | | 2 | | | | | | | 75 |
| Phoenix No. 1 (1) | Henrich & Berton | Below Silver City | 1861 | 20 | 3 | 4,200 | | | | 12 | | 6 | | 1 | | 1,200 |
| Pioneer (1) | Sheldon & Hickok | Silver City | 1861 | 23 | 2 | 3,000 | | | | | | | | | | 500 |
| Sacramento (1) | Hunt, Woodruff & Co. | Johnstown | 1861 | 18 | 5 | 3,000 | | | | | | | | | | 550 |
| San Francisco | Charles Schad | Carson River, near Dayton | 1861 | 14 | 3 | 3,000 | | | | | | | | 1 | | 550 |
| Swansen | W. Sharon, agent. | Johnstown | 1862 | 20 | 4 | 3,000 | (1) | 22 | | 3 | | 3 | | | | 600 |

* Soon will be 1,200 per month.

† 750 tons per month; October 15, 1866.
‡ Now 2,000 tons.

NOTES ON MILLS.

STOKEY COUNTY.

- Bowers* (1)—Paid this for 5 months only; has been idle four months; now running, with own water; (2) 5-foot pans.
- Central* (1)—To Virginia and Gold Hill Water Companies; also, pays \$— to Ophir Company.
- (2)—Hepburn and Peterson's, working 500 tons per month wet; four furnaces and six barrels, working 170 tons dry.
- Crown Point* (1)—Just dismantled; engine used to drain mine.
- Cornet* (1)—Been idle for seven months; just started again.
- Douglas* (1)—10-inch cylinder, 30-inch stroke, 26 plain pans.
- Empire No. 1* (1)—Increasing stamps to 21; capacity to be 40 tons per day; to employ 16 men, 27 Wakelee pans.
- Empire No. 2* (1)—Concentrators and two stamps for breaking.
- Empire State* (1)—4-foot pans.
- Gold Hill* (1)—6-foot tubs.
- Hoosier State* (1)—With steam chambers.
- Land's* (B)—Throughout the table designates Blake's breakers.
- Mariposa* (1)—Also one prospecting stamp; (2) large.
- Marysville* (1)—30 5-foot plain pans.
- Pacific* (1)—Large.
- Realtuna* (1)—Stamps being increased to 16; capacity to 26 tons per day; men to 11; wood to five cords; adding eight improved Wheeler pans, four settlers and one agitator.
- Plate* (1)—8-foot settlers.
- Rhode Island* (1)—18-inch cylinder; (2) 7-foot pans.
- Rigby's* (1)—One extra pan and settler for tailings and one barrel.
- Rogers's* (1)—Not running for four months.
- Saphira* (1)—Wheeler.
- Sevage* (1)—Improved.
- Stevenson* (1)—8½-inch cylinder; (2) Howland's rotary battery; can crush seven tons and amalgamate five tons per day; (3) small.
- Succor* (1)—24 Wakelee flat-bottomed pans.
- Summit* (1)—Burnt and rebuilt in 1863; (2) small pan and settler.

LYON COUNTY.

- Birdsall* (1)—Mill, \$110,000; ditch, \$40,000; total, \$150,000.
- Carpenter* (2)—Large-sized Wheeler.
- Dayton No. 1* (1)—Four of these for prospecting; (2) 8-foot settlers; (3) Knox.
- Dayton No. 2* (1)—Two roasting furnaces.
- Eastern Slope* (1)—Large.
- Eureka* (1)—Break 80 tons per day.
- G. C. Reduction Works* (1)—5-foot pans.
- Imperial Rock Pt.* (1)—7-foot tubs and settlers; (2) breaker, large size.
- Phoenix No. 1* (1)—Eight tubs and Wheeler pans.
- Pioneer* (1)—15 tubs and Wheeler pans.
- Sacramento* (1)—12 7-foot iron pans.
- Swansea* (1)—6-foot tubs and one prospecting battery and pan.
- Trench* (1)—16 flat 7-foot pans, one excelsior and two Wheeler and Randall pans.
- Weston's (Steam)*—(1)—Worked but about 1,000 tons of Comstock ore this year; hauling about \$3 per ton.
- Weston's (Water)*—(1)—Six flat-bottomed pans; has run but little this year for want of water.

ORMSBY COUNTY.

- Merrimac* (1)—Also, one prospecting battery and pan; (2) large.
- Mexican* (1)—Four furnaces and 10 barrels.
- Navian* (1)—Hanscom's.

WASHOE COUNTY.

- Manhattan* (1)—16 pans.
- Ophir* (1)—Working but 36 stamps—Freiberg process—nine furnaces.
- Reduction Works*—24 amalgamating barrels.
- Temelec* (1)—Large.
- Washoe Valley* (1)—Wheeler 12-foot breast; full capacity about 300 horse-power.
- Reduction Works*—40 stamps used for Freiberg process, and 20 for wet; eight furnaces and 20 barrels for dry process; four Wheeler and Randall's pans for wet; four more Varney pans to be introduced; (2) Blake's improved saw.

REPORT
OF
J. ROSS BROWNE

ON THE
MINERAL RESOURCES

OF THE
STATES AND TERRITORIES WEST OF THE ROCKY MOUNTAINS.

PUBLISHED BY H. H. BANCROFT & CO.,
SAN FRANCISCO, CALIFORNIA.
1868.

| NAME | Motive Power | Cords Wound per Day | No. of Stamps | Weight of Stamps | No. of Pans | Nature of Pans. | Crushing Capacity per Day Tons | REMARKS. |
|----------------|--------------|---------------------------|------------------|---------------------|----------------|------------------------|---|------------|
| STOREY COUNTY. | | | | | | | | |
| Atlas | steam | 4½ | 15 | 600 | 8 | Hepburn | 25 | |
| Atwood | " | 4½ | 16 | | 26-2 | Knox, Wheeler | 20 | |
| Bay State | " | 6 | 23 | | 14 | Wheeler | 35 | |
| Bower's | " | 4 | 20 | 10-600 10-700 | 30 | Knox | 25 | |
| Central | " | 8 | 13 | | 4 | Hepburn | 12 | |
| Crown Point | " | 5 | 8 | 500 | 8 | Knox | 8 | |
| Comet | " | 4½ | 16 | | | | 20 | |
| Douglas | " | 4 | 10 | 650 | 26 | Plain | 16 | |
| Eclipse | " | ½ | 15 | | 8 | Hepburn | 25 | |
| Empire, No. 1 | " | 5½ | 21 | 650 | 29 | | 30 | |
| Empire, No. 2 | " | 8 | 16 | 650 | 12 | Wheeler | 32 | |
| Empire State | " | 5 | 15 | | 20-2-2 | Knox, Wheeler, Hepburn | 15 | |
| Gold Hill | " | 3 | 14 | 8-600 6-750 | 24 | Knox | 17 | |
| Granite | " | | | | | | | |
| Gould & Curry | " | 20 | 80 | | 39-3 | Hepburn, Varney | 100 | Refitting. |
| Hoosier State | " | 3½ | 8 | 750 | 24 | Knox | 12 | |
| Imperial | " | 6 | 44 | 600 | 74 | Knox | | |
| Land's | " | 5½ | 20 | | 10 | Wheeler | 30 | |
| Mariposa | " | 4 | 12 | | 2-6 | Knox, Wheeler | 15 | |
| Marysville | " | 5 | 9 | | 30 | Plain | 18 | |
| Ogden | " | 6 | 22 | | 12 | Wheeler | 20 | |
| Pacific | " | 8 | 30 | 650 | 15 | Wheeler | 50 | |
| Petaluma | " | 3½ | 16 | 700 | 13 | Knox | 26 | |
| Piute | " | 5½ | 20 | 650 | 12 | Hepburn | 30 | |
| Rhode Island | " | 8 | 25 | 650 | 13-8 | Knox, Hepburn | 40 | |
| Rigby's | " | 4 | 10 | | 5 | Varney | 12 | |
| Rogers' | " | 3½ | 8 | | | | 12 | |
| Sapphire | " | 5 | 16 | 750 | 55 | Knox | 28 | |
| Simcoe | " | 5 | 10 | | 8 | Tubs, Wheeler, Hepburn | 25 | |
| Stevenson's | " | 2½ | 8 | 500 | 10 | Knox | 10 | |
| Succor | " | 6 | 20 | | | | 26 | |

NEVADA STATE
MINEROLOGIST
BIENNIAL
REPORT

1866

Refitting.

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|----------------------|--------------|----|----|--------------|------|--------------------|----|---|
| Summit | " | 6 | 20 | 625 | 11-1 | Wheeler, Varney | 35 | |
| Union | " | 2½ | 14 | 10-650 4-500 | 14 | | 14 | |
| Winfield | " | 5 | 18 | | 8 | Hepburn | 30 | |
| LYON COUNTY. | | | | | | | | |
| Birdsall & Carpenter | water | 2 | 30 | 650 | 20 | Wheeler | 55 | |
| Bacon | steam | 6 | 20 | 650 | 17 | Wheeler | 30 | |
| Bartolo | " | 3 | 8 | 550 | 8 | Knox | 9 | |
| Cole & Co. | " | 3 | 5 | 480 | 4 | Wheeler | 3 | |
| Devil's Gate | " | 5 | 8 | 900 | 10 | Hepburn | 14 | |
| Dancy | " | 6 | 15 | 550 | 15 | Wooden Tubs | 20 | |
| Dayton, No. 1 | water | 1 | 20 | 500 | 6 | Wheeler | 20 | |
| Dayton, No. 2 | steam | 6 | 15 | 800 | 8 | Varney | 15 | |
| Eagle | water | | 5 | 400 | 2 | Knox | 15 | |
| Eastern Slope | steam | 5½ | 16 | 890 | 6 | Hepburn | 20 | |
| Excelsior | " | 3 | 10 | 650 | 18 | Knox | 18 | |
| Eureka | water | | 20 | 650 | 8 | Wheeler | 22 | |
| Franklin | " | 4 | 10 | 600 | 8 | Knox | 12 | |
| Golden Eagle | steam | 3½ | 10 | 850 | 25 | Tubs | 13 | |
| Illinois | " | 5 | 20 | 400 | 5 | Hepburn | 20 | |
| Island | " | 2 | 19 | 650 | 11 | Tubs | 14 | |
| Lindauer & Co. | st'm & water | 2½ | 15 | 480 | 10 | Wheeler | 20 | Dismantled. |
| Metallurgical Works | steam | 5 | 15 | 700 | 6 | Wheeler | 16 | |
| Monitor | water | | 5 | 450 | 2 | Wheeler | 3 | |
| New York & Nevada | steam | 5½ | 20 | 550 | 17 | Hepburn | 25 | |
| Ophir | st'm & water | 2½ | 24 | 600 | 15 | Hepburn | 35 | |
| Pioneer | steam | 6 | 15 | 700 | 15 | Tubs and Wheeler | 20 | |
| Phoenix, No. 1 | " | 6 | 15 | 650 | 8 | Tubs and Wheeler | 19 | |
| Phoenix, No. 2 | " | 7 | 20 | 534 | 34 | Tubs | 28 | One of these Mills destroyed by fire during 1866. |
| Palmyna | " | 4½ | 10 | 650 | 12 | Tubs | 15 | |
| Rock Point | st'm & water | 2½ | 55 | 550 | 50 | Tubs and 6 Hepburn | 60 | |
| Sparrow & Trench | steam | 6 | 20 | 600 | 19 | | 25 | |
| Sherman & Co. | water | | 6 | 400 | 2 | | 4 | |
| Swansea | steam | 5 | 14 | 900 | 22 | Tubs | 20 | |
| Smith, D. L. | water | | 5 | 450 | 4 | Tubs | 4 | |
| Sacramento | steam | 5 | 12 | 750 | 12 | Tubs | 18 | |
| San Francisco | st'm & water | 3 | 10 | 650 | 7 | 4 Tubs and Wheeler | 14 | |
| Weston & Co. | steam | 4 | 15 | 550 | 9 | Wheeler | 14 | |
| Weston & Co. | water | | 10 | 450 | 8 | Tubs | 11 | |

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necessary to sink several hundred feet further to obtain the same. Powerful hoisting works have been erected at each one of the shafts. In No. 2 a large amount of water has been encountered. When the pumps are allowed to stop it rises to within three hundred feet of the surface. A large machine shop has been erected at Sutro for the manufacture of all the machinery to be used by the company. There is here a store supplied with everything necessary for use at the different works. These are issued as they are needed. The formations through which the tunnel has passed so far, are: for the first seven hundred and fifty feet, conglomerate; then trachyte three hundred and eighty feet; after this a belt of clay one hundred and fifty feet; and then comes one thousand seven hundred and fifty feet of porphyry; then three hundred and ten feet of trachyte. It is calculated that the tunnel will be completed to the Comstock lode in from two to two and a half years from the present time, providing no unlooked for obstacles be met with in the prosecution of the work.

MILLS.

The following list of quartz and tailing mills was made by Mr. George McFadden, County Assessor:

| Name. | Situation. | Capacity, tons. | Stamps. | Condition. |
|--------------------|------------------|-----------------|-----------|------------|
| Devil's Gate..... | Silver City..... | 24 | 12 | running |
| Pioneer..... | Silver City..... | 30 | 15 | running |
| Bacon..... | Silver City..... | 40 | 20 | running |
| Trench..... | Silver City..... | 40 | 20 | running |
| Horn..... | Silver City..... | 20 | 10 | running |
| Folsley..... | Silver City..... | 30 | 15 | running |
| Golden Age..... | Silver City..... | 10 | 5 | running |
| Hope..... | Silver City..... | 20 | 10 | running |
| Excelsior..... | Gold Cañon..... | 20 | 10 | running |
| Sacramento..... | Gold Cañon..... | 25 | 12 | idle |
| Swansea..... | Gold Cañon..... | 25 | 12 | idle |
| Atlanta..... | Gold Cañon..... | 20 | 10 | running |
| Keystone..... | Gold Cañon..... | 30 | Tailings. | running |
| Bureka..... | Carson River... | 120 | 60 | running |
| Franklin..... | Carson River... | 40 | 20 | running |
| Woodworth..... | Carson River... | 48 | 24 | running |
| Island..... | Carson River... | 20 | 10 | idle |
| Carson Valley..... | Carson River... | 300 | Tailings. | running |
| Desert..... | Carson River... | 25 | Tailings. | running |
| Birdsall & Co..... | Dayton..... | 300 | Tailings. | running |
| Reservoir..... | Dayton..... | 50 | Tailings. | running |
| Rock Point..... | Dayton..... | 112 | 56 | idle |
| Spring Valley..... | Spring Valley... | 20 | 10 | running |
| Daney..... | Spring Valley... | 30 | 15 | idle |

NEVADA

1871 & 1872

DEVIL'S GATE DISTRICT

Is situated in Gold Cañon. Silver City is about its central point. The mines here were worked several years ago, but for a long time were idle, and some of them abandoned. Work, however, has resumed here lately, and the prospects of this district never more encouraging than the present.

DAYTON.

This mine is located in Silver City, on the south side of the city. The old works on this mine are a tunnel, in which a shaft was sunk several hundred feet. A new shaft has been started, which has reached a depth of one hundred feet. New steam hoisting works are to be erected in the Spring. Ore from this mine is extracted in sufficient quantity to keep the Atlanta Mill—ten stamps—constantly running. This is one of the earliest locations in the district. Nothing was done on it for a number of years. During the past Summer work was resumed—works cleaned out, and a new shaft commenced.

BUCKEYE.

This mine is located one mile east of Silver City, in Long's Ravine. It is also one of the old locations. Steam hoisting works have been erected here, but everything was abandoned, and nothing done for a long time. Two years ago work was resumed, and new steam hoisting works were erected. An incline is down a distance of six hundred feet. Two Horn and Hope, each ten-stamp, are supplied with ore from this mine. Water in considerable quantities is found, requiring an eight-inch pipe to keep the mine clear. This water is carried by flumes around to Silver City, and supplies the Bacon and Trench Mills.

COOK & GEYER.

This mine is located about three quarters of a mile north of Silver City. A great amount of work was done on it last Summer, and it has obtained here kept the Franklin Mill running. It has been idle for the last three months, but work will soon be resumed again.

DANEY.

This mine has been abandoned. Some good ore was here near the surface, and worked out years ago. Since that time hundreds of thousands of dollars have been expended in prospecting for other bodies of ore, but nothing of any consequence has been found. Work has stopped and renewed again several times. During the excitement of the Spring the owners were again inspired with the hope of finding something in this mine, but after several months of work they have given up and will remove the hoisting works and other material of value.

EMPIRE Mill

MILLS.

I am indebted to Mr. Samuel Doake, of Virginia City, who has kindly prepared the following tabular statement of the mills in Storey County:

| Name of Mill. | No. of Stamps. | No. tons per day. | Location. | Crushing Ore, from. |
|---------------------------|----------------|-------------------|------------------------|---------------------------|
| ston | 5 | | Gold Cañon..... | Empire, Gold Hill |
| ee | 5 | 15 | Gold Cañon..... | Crown Point Croppings |
| ccor | 15 | 25 | Gold Cañon..... | Idle |
| msdale | 2 | 5 | Gold Cañon..... | Woodside |
| acific | 30 | 70 | Gold Cañon..... | Belcher |
| ppoose | 5 | 14 | Gold Cañon..... | Gold Hill Croppings |
| ute | 20 | 50 | Lower Gold Hill..... | Idle |
| uglas | 15 | 30 | Lower Gold Hill..... | Empire, Gold Hill |
| las | 15 | 45 | Lower Gold Hill..... | Savage |
| aluma | 24 | 75 | Lower Gold Hill..... | Crown Point |
| pphire | 15 | 40 | Lower Gold Hill..... | Crown Point |
| ode Island | 25 | 50 | Lower Gold Hill..... | Crown Point |
| ld Hill Quartz | 8 | 18 | Lower Gold Hill..... | Idle, out of wood |
| nderland | 10 | 25 | Lower Gold Hill..... | Belcher |
| osier State | 18 | 40 | Virginia | Savage |
| erra Nevada | 20 | 50 | Virginia | Sierra Nevada |
| rans | 5 | 13 | 7-Mile Cañon | Savage |
| ariposa | 12 | 30 | 7-Mile Cañon | Hale & Norcross |
| eramento & Meredith | 20 | 50 | Cedar Hill | Idle |
| infield | 20 | 50 | 7-Mile Cañon | Chollar |
| lantic | 12 | 30 | 7-Mile Cañon | Idle |
| ndy | 20 | 50 | 7-Mile Cañon | Chollar |
| lands | 15 | 35 | 6-Mile Cañon | Idle |
| evada | 20 | 50 | Virginia | Chollar |
| pire State | 15 | 40 | 6-Mile Cañon | Idle |
| rk & Bowie, No. 1 | | | 6-Mile Cañon | Tailing Mill |
| rk & Bowie, No. 2 | | | 6-Mile Cañon | Tailing Mill |
| cidental | 20 | 50 | Silver Star Dist | Tailing Mill |
| dy Bryan | 10 | | 6-Mile Cañon | Idle |
| Total, 29 mills | 399 | 1,001 | | |

WASHOE COUNTY.

This county is north of Ormsby. It takes its name from a tribe of Indians who inhabit the western portion of the State. A few mining districts have been organized within its boundaries, at different times, but none of them have ever been a source of much profit. The wealth of this county consists chiefly in its agricultural resources and timber lands. Formerly, the streams of water flowing from the cañons in the Sierras into Washoe Valley were made available for milling purposes, in reducing the ores from the Comstock; and at one time no less than ten mills, having an aggregate of two hundred and eighty-one stamps, were in active operation in this county—some of these, moreover, were of the largest size, and first-class in all their appliances. The Ophir Company's mill, of seventy stamps capacity, and built at a cost of a half million dollars, and Dall's Mill at Franktown, having sixty stamps, were among

the first mills in the State. Since the completion of the Truckee Railroad, however, ore can be delivered so much cheaper to the mills on the Carson River, that with the exception of the Truckee Mill, near Reno, and one or two tailing mills in Washoe Valley, nearly all these mills have been dismantled and abandoned.

BENO

Is the county seat, and is situated on the line of the Central Pacific Railroad. From this point all supplies used in the southwestern section of the State are forwarded, as well as to Douglas, Ormsby, Lyon, and Storey Counties. It is pleasantly located on the banks of the Truckee River, and has many natural advantages for maintaining itself as a prosperous town.

WADSWORTH

Is situated thirty-five miles further east, on the line of the railroad. There are located here the repair and machine shops for the Truckee division of the Central Pacific Railroad. From this point freight is shipped to Belmont, Ellsworth, and Columbus; and all the soda and borax obtained in Churchill and Esmeralda Counties are forwarded to this place for shipment to the markets.

WASHOE CITY.

Formerly the county seat, Ophir, and Franktown, since the decline of the milling enterprises in this county, are not so flourishing as they were some years ago.

The following interesting description of the agricultural and other resources of this county has been condensed from the columns of the *Nevada State Journal*, a well edited weekly newspaper published at Reno.

It may be said that Washoe County embraces an area of one thousand five hundred square miles and that of this extent not less than eight hundred to one thousand square miles will ultimately be found valuable for agricultural and grazing purposes. We think we are speaking within proper bounds of truth, for, in fact, it is difficult to say what noticeable portion of the entire county is not to a greater or less extent fit for grazing. Of the fine arable land (by which we mean land so situated, of proper richness, that crops may be raised by irrigation) we think that there are between three hundred and four hundred square miles. Notwithstanding the rather extensive reclamation and cultivation of lands in Washoe Valley and Truckee Meadows, we do not believe that one fourth of our arable lands have been yet tested for anything like their reasonable capacity for farming operations. The surface of the county alternates in mountain range, valley, hill, and lake. The eastern range of the Sierra Nevada Mountains were years ago clothed from valley to summit with forests of excellent timber. Since then, great inroads have been made among these forests for the procuring of lumber, mining timber, and wood, but even yet remains in the southwestern portion of the county a most extensive source of supply for the same purposes, and all accessible by labor and capital. The extreme southwest corner of the county is found within the limits of the remarkable and beautiful Lake T.

SOURCE: MINES & MILLS OF
THE COMSTOCK REGION
WESTERN NEVADA

The Parke & Bowie Co. filed for bankruptcy in December 1873. Apparently the bankruptcy did not completely end their milling activities in the canyon because in 1876 the *Territorial Enterprise* listed the Railroad Mill as belonging to the Parke brothers. Ira S. Parke and David Bowie were the owners of these mills. One of the mills was reported still to be operating in the mid-1880s. In the mid-1870s the Express and Railroad mills were owned by the Union Mill & Mining Co., which was controlled by William Sharon. Alternate names for the Parke & Bowie mills include Parkes Mill, Bowie Mill, Janin and Parke Mill, Express Mill, and Railroad Mill (Angel, 1881, 594; Comp, 1980; Lord, 1883, pl. 3; Moran, 1923, map; SMR, 1871-72, 138; TE, 1871, Nov. 11; 3:2; 1871, Nov. 14, 3:1; 1872, Mar. 21, 3:2; 1876, Mar. 21, 3:1; 1878, June 10, 3:2).

Utah Mill: Listed in the Collin's 1864-65 directory as located in Sixmile Canyon north of Silver Hill. It was erected in 1864, its main building measured about 60 x 106 feet, and it had a 90 horsepower engine (Collins, 1864-65, 46).

Butters Mill: Large cyanide plant which was situated in Sixmile Canyon at the foot of Sugarloaf. It was erected in 1902 and operated until the late 1920s. At the time it was the largest cyanide mill in the United States, treating about 100 tons per day and employing approximately 300 persons. Originally it operated as a tailings mill, but later it processed ore from Tonopah, Nevada and local near-surface ore. The mill had the distinction of being the most elaborate of the cyanide tailings mills on the Comstock. It was named for its proprietor, Charles Butters. Extensive foundations remain (Comp, 1980; M & SP, 1907, v. 83, Feb. 9, 269-73; Sanborn Map Co., 1907, sh. 1; Smith, 1943, 258).

De Lands Mill: Reduction establishment which was located about midway down Sixmile Canyon. It is reported to have had 15 stamps and a 35-ton-a-day capacity and to be named for its owner. In the 1871-72 *State Mineralogist's Report* it was listed as being idle (Comstock Paper No. 10, M & SP, 1876, v. 33, Dec. 2, 361; SMR, 1871-72, 138; SCR, Locations, 1870, v.A, 455, sketch map).

Empire State Mill: Early mill situated in Sixmile at the foot of Sugarloaf. In Kelly's 1862 directory it was reported to possess 10 stamps and crush 12 tons a day. In Collin's 1864-65 directory it was described as running on both steam and water; having a 40-foot water wheel, a 15 horsepower engine, 10 stamps, and a 12-ton capacity; using Knox pans with false bottoms and Wakelee's patent flue pans; and employing 10 men. The 1866 *State Mineralogist's Report* listed it as a steam mill using 5 cords of wood a day and having 15 stamps; 20 Knox, 2 Wheeler, and 2 Hepburn pans in the amalgamating department; and a capacity of 15 tons a day. In the early 1870s it was reported to have 15 stamps and a capacity of 40 tons a day but was idle. Operations were resumed later in the 1870s and continued into the 1880s. Rubble walls remain (Collins, 1864-65, 42; Comp, 1980; Kelly, 1862, 113; 1863, 163; Lord, 1883, pl. 3; SMR, 1866, 148; 1871-72, 138).

Sugarloaf Mill: Early day quartz mill reported in Kelly's 1862 directory to have 4 stamps and to be located in Sixmile Canyon near Sugarloaf. Kelly's 1863 directory described it as being run by water on an overshot wheel generating about 20 horsepower, having 4 stamps and 2 arastras, and milling ore from the St. Johns claim (Bancroft, 1862, map; Kelly, 1862, 113; 1863, 163).

Flowery Mill: Reduction establishment which was located about three miles east of Virginia City. In Kelly's 1863 directory it was described as having a 40 horsepower engine, 8 stamps, a 12-ton-a-day capacity, and 20 employees. In 1869 it was reported to be operating again after repairs (Kelly, 1863, 164; TE, 1869, Mar. 20, 3:2).

bureau and commode are topped with malachite and lined with polished zebra wood. Something of the expense of furnishing so elegant an apartment as this may be inferred by the reader when he is informed that a single yard of the brocade border of the priceless curtains cost \$20.

THE BRIDE.

Clara A. Sharon is a demi-brunette in style of beauty, petite in figure, and of winning and graceful manners. She is of a retiring disposition, shunning rather than coveting display. Although a quieter marriage and "cottage by the sea" would have coincided with her desires, yet she has proved and will prove herself entirely equal to all the emergencies of her high social position. To the graces of the true lady have been added such refinements of education and culture as the best schools in America and Europe could give and the highest personal associations impart. Miss Sharon is twenty-one years of age, having been born in San Francisco in 1853. Her first instruction was in the schools of this city. She spent a year at the convent at Benicia, and two years afterwards at San Jose. She was abroad with her mother and sister for two years and a half, one year of which she passed at one of the most celebrated conventual schools of Paris. Whatever was to be acquired at any of these institutions she has acquired through a teachable inclination, an apt intellect and diligent study. Since the residence of Mr. Sharon at Virginia she has divided her time between that city and San Francisco. Her marriage is according to her own wishes and of her own free choice, and as far as the chronicler can sweep the matrimonial horizon with his glass, it shows only azure weather and serene happiness.

THE BRIDEGROOM.

Frank G. Newlands was born in Mississippi, is of Scottish parentage, and comes from a good family. His father died when he was three years of age, and some years later Frank and his mother removed to Quincy, Illinois, where he received his first schooling. When he reached his sixteenth year he was sent to New Haven, where he entered Yale College, being the youngest in his class. He remained in this institution four years, passing through the classical course. After leaving college, through the assistance of influential friends at Washington, Frank entered the Columbian College Law School, and after his day's work attended the lectures which were deliv-

San Francisco. He continued buying and selling real estate until 1864, at which time he had accumulated a fortune of \$150,000.

In 1864 the Board of Brokers was organized. Mr. Sharon became a speculator in stocks, and in six months had lost all the property which he had spent so many years in acquiring. He asked employment of the Bank of California, and was sent up to Virginia, Nevada, to adjust some outstanding claims for that institution. He afterwards suggested to the bank that an agency or branch should be established there. This was done, and he was placed at its head. Unlimited powers were granted to him, and he held the position for many years to his own credit and the great profit of the parent house in San Francisco, finally leaving it at his own desire, and being succeeded by A. J. Ralston.

William Sharon is the acknowledged King of the Comstock, by reason of his many controlling interests in mines located on that great ledge, and in the mills and the railroads, which are necessary adjuncts of the mines. His success as a mining stock operator is due mainly to his shrewd business tact and management. Mr. Sharon is a clever manager, quick to perceive and as quick to act. The following Comstock mines are under the control and management of Mr. Sharon: Yellow Jacket, Dayton, Imperial, Belcher, Empire Mill, Chollar, Eclipse and Ophir. He is also largely interested in Sierra Nevada, Caledonia and Overman. His interest in the Union Mill and Mining Company also yields him a heavy revenue. This institution is composed of Sharon, Mills and Ralston, and it owns a large number of mills on the Carson and elsewhere. These mills are kept constantly employed on ores from the mines owned in whole or part by Sharon and his friends. He owns one-half of the Virginia and Truckee Railroad, and rates his interest at \$2,500,000. According to Sutro, Sharon's revenue from this source alone approximates \$12,000 per day.

Mr. Sharon is largely interested in some of the most valuable property in San Francisco, and as a business man his reputation is *sans peur et sans reproche* among those with whom he is associated in business. He is recognized as a man of strong common sense, possessing more than the average of natural ability. Educated as a lawyer, he has an advantage over many business men with whom he comes in contact. He never gives advice unless he means it, and none can complain of his using

Second Appearance of the

JUNIUS B.

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17. DESCRIPTION AND BACKGROUND HISTORY, INCLUDING CONSTRUCTION DATE(S), HISTORICAL DATE(S), PHYSICAL DIMENSIONS, MATERIALS, EXTANT EQUIPMENT, AND IMPORTANT BUILDERS, ENGINEERS, ETC.

The Empire State Mill, owned by Charles Coover and L. Dunn in 1863, was situated at the foot of Sugarloaf Peak in Six-Mile Canyon. The mill was water and steam-powered with a water wheel 40 feet in diameter. A 15 hp. engine furnished the power for 10 stamps with a 12 ton capacity per day. The stamps were increased to 15 by 1866 and the capacity of 15 tons per day. The mill was reported idle in 1871-72, but ran on ore from the Chollar-Potosi Mine in 1873, the Ophir Mine in 1875 and the Chollar ore in 1877. The mill was still in operation in 1887 when it was running 5 stamps on water power. Rubble walls mark this site.

(CONT OVER)

| | | | | | |
|--|--|--|--|--|--|
| 18. ORIGINAL USE Quartz Mill | | PRESENT USE | | ADAPTIVE USE | |
| 19. REFERENCES—HISTORICAL REFERENCES, PERSONAL CONTACTS, AND/OR OTHER | | | | | |
| <u>Second Directory of the Nevada Territory, 1863, p. 163.</u> <u>Report of the Nevada State Mineralogist, 1866, p. 138; 1871-72, p. 138.</u> <u>Territorial Enterprise, Oct. 1873, April 1875, May 1877.</u> <u>Mining and Scientific Press, (Vol. 54), Feb 19, 1887, p. 121</u> | | | | | |
| 20. URBAN AREA 50,000 POP. OR MORE? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | 21. HCRS REGION | | 22. PUBLIC ACCESSIBILITY <input checked="" type="checkbox"/> YES, LIMITED <input type="checkbox"/> YES, UNLIMITED <input type="checkbox"/> NO <input type="checkbox"/> UNKNOWN | |
| 23. EDITOR | | 24. LOCATED IN AN HISTORIC DISTRICT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | NAME Virginia City National Historic Landmark DISTRICT I.D. NO. | |
| INDEXER | | NAME Comstock State Historic District | | DISTRICT I.D. NO. | |

(CONT OVER)

List of Mills in Nevada.

| NAME | Water Power | No. of Stamps | Weight of Stamps | No. of Pans | Nature of Run | REMARKS |
|---------------------|-------------|------------------|---------------------|----------------|-------------------------|----------|
| STONEY CREEK | | | | | | |
| Atlas | stream | 4 | 15 | 8 | Hephburn | 21 |
| Atwood | " | 4 | 16 | 12-2 | Knox, Wheeler | 20 |
| Bay State | " | 6 | 22 | 14 | Wheeler | 23 |
| Bower's | " | 4 | 20 | 10-600 10-700 | Knox | 22 |
| Central | " | 8 | 12 | 4 | Hephburn | 21 |
| Crown Point | " | 5 | 9 | 3 | Knox | 8 |
| Comet | " | 4 | 18 | | | 20 |
| Douglas | " | 4 | 10 | 24 | Flint | 14 |
| Edison | " | 4 | 10 | 8 | Hephburn | 23 |
| Empire, No. 1 | " | 4 | 21 | 20 | | 20 |
| Empire, No. 2 | " | 8 | 10 | 12 | Wheeler | 22 |
| Empire State | " | 5 | 12 | 10-5-2 | Knox, Wheeler, Hephburn | 23 |
| Gold Hill | " | 3 | 14 | 6-600 6-750 | Knox | 27 |
| Granite | " | | | | | Refining |
| Gould & Curry | " | 20 | 80 | 20-5 | Hephburn, Varney | 100 |
| Homer State | " | 3 | 8 | 24 | Knox | 12 |
| Imperial | " | 0 | 44 | 74 | Knox | 7 |
| Lane's | " | 4 | 20 | 16 | Wheeler | 20 |
| Mariposa | " | 4 | 12 | 2-2 | Knox, Wheeler | 22 |
| Marysville | " | 5 | 9 | 20 | Flint | 21 |
| Ogden | " | 0 | 22 | 12 | Wheeler | 20 |
| Pacific | " | 8 | 20 | 12 | Wheeler | 20 |
| Petaluma | " | 34 | 16 | 18 | Knox | 22 |
| Photo | " | 4 | 20 | 12 | Hephburn | 20 |
| Rhode Island | " | 8 | 22 | 12-8 | Knox, Hephburn | 20 |
| High's | " | 4 | 10 | 5 | Varney | 21 |
| Rogers | " | 3 | 8 | | | 21 |
| Sagehen | " | 5 | 16 | 16 | Knox | 20 |
| Summit | " | 5 | 16 | 8 | Tuba, Wheeler, Hephburn | 21 |
| Surrender's | " | 3 | 8 | 10 | Knox | 20 |
| Summit | " | 0 | 20 | | | 20 |

ANNUAL REPORT

OF THE

STATE MINERALOGIST

OF THE

STATE OF NEVADA

FOR 1866.

CARSON CITY:

JOSEPH E. ECKLEY, STATE PRINTER.

1867.

7/6/1866

EMPIRE STATE MILL
TO WILLIAM SHANNON,
AGENT

State of Nevada County of Storey 3d

On this seventh day of July A.D. One thousand eight hundred and sixty six before me Will. H. Burrall a Notary Public in and for said Storey County, duly commissioned and sworn, personally appeared the within named Richard Murphy whose name is subscribed to the annexed Instrument as party thereto personally known to me to be the individual described in and who executed the said annexed Instrument and who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

In Witness Whereof I have hereunto set my hand and affixed my official seal the day and year in the Certificate first above written.

W. H. Burrall, Notary Public
The above at request of Grantee July 9. 1866. at Storey, part 1 P.M.
W. H. Burrall Recorder

Arnold & Burrall } U. S. License \$150 State License \$150
} Their Substantive made the sixth day of
July in the year of our Lord one thousand eight hundred and sixty six. Between John Arnold of Sacramento California and W. H. Burrall of Gold Hill Nevada of the first part and W. H. Burrall agent of the general estate of John Arnold of the second part Witnesses that the said parties of the first part for and in consideration of the sum of fifteen thousand dollars lawful money of the United States of America to them in hand paid by the said party of the second part at or before the executing and delivery of these presents the receipt whereof is hereby acknowledged have granted, released, conveyed and quit claimed and by these presents do release and quit claim unto the said party of the second part and to his heirs and assigns forever All that certain piece or parcel of land situate in the County of Storey and State of Nevada about two miles east of Virginia in the middle canyon being the mill stream which is called the Empire State Mill and also all the lands, shrubs, adjoiners and adjoining as part of the mill property being about seventy five acres more or less. Together with all and singular the tenements, hereditaments and appurtenances thereto belonging or in anywise appertaining and the reversions and reversions remainder and remainders, issues and profits thereof And also all the estate right title interest property, possession claim and demand whatsoever as well in law as in equity of the said parties of the first part for or to the above described premises and every part and parcel thereof with the appurtenances Do Have and to hold all and singular the above mentioned and described premises together with the appurtenances unto the said party of the second part his heirs and assigns forever. In Witness Whereof the said parties of the first part have hereunto set their hands and seals the day and year first above written.

John Arnold by W. H. Burrall

his Attorney in fact

W. H. Burrall

State of Nevada County of Storey 3d

On this seventh day of July A.D. One thousand eight hundred and sixty six before me E. H. Church a Notary Public in and for said Storey County, duly commissioned and sworn, personally appeared the within named William Shannon whose name is subscribed to the annexed Instrument as party thereto personally known to me to be the individual described in and who executed the said annexed Instrument and who acknowledged to me that he executed the same freely and voluntarily and for the uses and purposes therein mentioned.

Ch. here and to hold the above mentioned and described lots pieces and parcels of land, mill sites and Mills proper-
 ity and every part thereof with the appurtenances unto the party
 of the second part its successors and assigns forever
 & in witness whereof the party of the first part has here-
 unto set his hand and seal the day and year first above
 written

Wm. Sharon

Sign

State of Nevada 3rd County of Storey 3rd On this eighth day of May 1868 one
 thousand eight hundred and sixty eight before me W. S. Wood
 a Notary Public in and for said County duly commissioned
 and sworn personally appeared the said named William
 Sharon whose name is subscribed to the annexed instrument
 as a party thereto personally known to me to be the person descri-
 bed in and who executed the said annexed instrument and
 who acknowledged to me that he executed the same freely and
 voluntarily and for the uses and purposes therein mentioned



In witness whereof I have hereunto set my
 hand and official seal at my office
 in said County the day and year in this Certificate
 first above written

W. S. Wood

Notary Public

(Storey County Record) Recorded at request of Wm. Sharon May 19th 1868
 at 11 A.M. in Book 27 of Deeds pgs 7 at Big Storey County Records
 by Chas. K. Fish Recorder

(Ormsby County Record) Filed for Record on the 22nd May 1868
 at 15 Minutes past 10 O'clock A.M. and Recorded on Feb 12th 1869
 58-59-60-61-62 of the Ormsby County Land Records named King
 Recorder Ormsby County

(Nashua County Record) Recorded May 26th 1868 at 1.10 min past
 1 O'clock P.M. in Record of Deeds Vol 2 pgs 1-400 Nashua Coun-
 ty Records Nevada Kenneth Fish County Recorder

The foregoing instrument is correct by stamps of
 U.S. Revenue 15th State Revenue 10th said stamps cancelled
 Recorded at request of W. Sharon May 27th 1868 at 3.0 min
 past 7 O'clock P.M. at D. M. Duffie Recorder of Storey
 County Nevada by Josh Craywell Deputy Recorder

This Certificate made the twentieth day of May in the year of our
 Lord one thousand eight hundred and sixty eight before me
 D. M. Duffie Notary Public in and for said County of Storey State of Nevada
 personally appeared the said named William Sharon and acknowledged to me
 that he executed the same freely and voluntarily and for the uses and purposes
 therein mentioned and in consideration of the sum of State
 Revenue 15th State Revenue 10th said stamps cancelled

Have granted, conveyed, sell and convey to the parties of the second part. Be-
 lieve and agree for as follows: That certain tract of land situate in the County
 of Jasper State of Nevada. About two miles east of the City of Virginia in the
 Mineral Range the same being the Mill site which is called the Empire Mill
 site and also all the land that is adjacent and necessary and a part of the
 mill property being about twenty five by one acre more or less. Also the same
 Empire Mill site with the water thereon known as and called the Empire site and
 all the machinery known and building and super structure connected therewith.
 Together with all and singular the tenements, hereditaments and appurtenances
 thereto in anywise appertaining To have and to hold the above
 mentioned and described premises with the appurtenances unto the parties of the second
 part their heirs and assigns forever. In Witness Whereof the said William H. Jones and Henry
 Campbell have caused these presents to be signed by the President William E.
 Carson and its corporate seal to be hereunto affixed and the said William Jones
 has hereunto set his hand and seal this day and year first above written.
 Signed, sealed and delivered in presence of: W. E. Carson

(Empire)
 (Seal)

President
 William H. Jones &
 Henry Campbell (Seal)

State of Nevada) ss.
 County of Jasper) On the Sixth day of July A.D. one thousand eight
 hundred and sixty nine we E. H. Jones a Notary Public in and for said
 County and State duly commissioned and sworn personally appeared the within
 named William E. Carson President of the Empire Mill & Mining Company
 whose name is subscribed to the aforesaid instrument as party thereto personally
 known to me to be the individual described in and who executed the said
 instrument and who acknowledged to me that he executed the same
 freely and voluntarily and for the use and purposes therein mentioned as set
 forth and described in said Company's by its authority I find the said instrument
 to be the corporate act of said Company (L.S.) In Witness Whereof I have
 hereunto set my hand and affixed my official seal this day and year as
 above specified first above written. E. H. Jones Notary Public
 State of Nevada)
 County of Jasper) On the Sixth day of July A.D. one thousand eight
 hundred and sixty nine we H. C. Lillis a Notary Public in and for said
 County and State duly commissioned and sworn personally appeared William
 H. Jones whose name is subscribed to the aforesaid instrument as a party
 thereto personally known to me to be the person described in and who executed
 the said instrument and who acknowledged to me that he executed
 the same freely and voluntarily and for the use and purposes therein mentioned
 (L.S.) In Witness Whereof I have hereunto set my hand and affixed my
 official seal at my office in said County this day and year as above specified
 first above written. H. C. Lillis Notary Public

Witnessed at request of John B. Winston July 14 1869 at 11 A.M.
 Chas. T. Smith Recorder
 John E. Marshall Deputy

Thomas B. Howard Clerk

Internal Revenue Stamp \$ 3.00 Cancelled

Robert Howard

Nevada Tax Stamp \$ 5.00 Cancelled

This instrument made the sixth day of June A.D. one thousand
 eight hundred and sixty nine Between Thomas B. Howard and his
 wife Mary T. B. Howard of the County and State of Nevada